

# LIST OF INFORMATION DISCLOSED BY APPLICANT

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PATENT & TRADEMARK OFFICE 16313-0130	SERIAL NO. 09/893,033	FILING DATE June 27, 2001
APPLICANTS Genichi Kakefuda et al.		GROUP Unknown 1652

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JG	5,378,824	1-3-95	E. I. Du Pont de Nemours and Co.	536	23.6	
JG	5,661,017	8-26-97	Dunahay et al.	435	172.3 <del>172.3</del>	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	NAME	TRANSLATION	
					YES	NO
JG	96/28014	9-19-96	WO	Yissum Research Development Company Of The Hebrew University Of Jerusalem		X
	98/06862	2-19-98	WO	Calgene, Inc.		X
	98/20144	5-14-98	WO	Zeneca Limited		X
JG	6343473	12-20-94	JP	Kirin Brewery Co. Ltd.		X

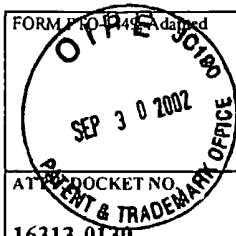
## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

JG	✓	Babczynski et al., 1995 Pestic. Biochem. Physiol., 52(1): 33-44 "Substituted Tetrahydropyrimidinones: A New Herbicidal Class of Compounds Inducing Chlorosis by Inhibition of Phytoene Desaturation".
	✓	Böger, P. and Sandmann, G., 1998 Pesticide Outlook, 6:29-35 "Carotenoid Biosynthesis Inhibitor Herbicides - Mode of Action and Resistance Mechanisms".
	✓	Chamovitz et al., 1993 J. Biol. Chem. 23: 17348-53. Vol. 268 "Molecular and Biochemical Characterization of Herbicide-Resistant Mutants of Cyanobacteria Reveals that Phytoene Desaturation is a Rate-Limiting Step in Carotenoid Biosynthesis".
	✓	Clarke et al., 1985 Pestic. Biochem. Physiol., 23(3): 335-340 "Phytotoxicity of m-Phenoxybenzamides: Inhibition of Cell-Free Phytoene Desaturation".
	✓	Duggleby, 1997 Gene, 190: 245-249 "Identification of an Acetolactate Synthase Small Subunit Gene in Two Eukaryotes".
	✓	Dzelzkalns & Bogorad, 1988 The EMBO Journal, Vol. 7: 333-338 "Molecular Analysis of a Mutant Defective in Photosynthetic Oxygen Evolution and Isolation of a Complementary Clone by a Novel Screening Procedure".
	✓	Freidberg, D. et al., 1990 Z Naturforsch, C, 45(5): 538-543 "Molecular Characterization of Genes Coding for Wild-Type and Sulfonylurea-Resistant Acetolactate Synthase in the Cyanobacterium <i>Synechococcus</i> PCC7942".
	✓	Hattori et al., 1995 Mol. & Gen. Genet., 246: 419-425 "An Acetohydroxy Acid Synthase Mutant Reveals a Single Site Involved in Multiple Herbicide Resistance".
	✓	Kaneko et al., 1995 DNA Research 2:153-166 "Sequence Analysis of the Genome of the Unicellular Cyanobacterium <i>Synechocystis</i> sp. Strain PCC6803. I. Sequence Features in the 1 Mb Region from Map Positions 64% to 92% of the Genome".
	✓	Kowalczyk-Schroder & Sandmann, G., 1992 Pestic. Biochem. Physiol., 42(1): 7-12 "Interference of Fluridone with the Desaturation of Phytoene by Membranes of the Cyanobacterium <i>Aphanocapsa</i> ".
JG	✓	Linden et al., 1990 Pesticide Biochem. Physiol., 36: 46-51 "Biochemical Characterization of <i>Synechococcus</i> Mutants Selected against the Bleaching Herbicide Norflurazon".

EXAMINER T. Saidha	DATE CONSIDERED 8/11/04
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM 10-1049 (Adapted)



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✓	Martinez-Ferez et al., 1992 Plant Molecular Biology 18: 981-983 "Nucleotide Sequence of the Phytoene Desaturase Gene from <i>Synechocystis</i> sp. PCC 6803 and Characterization of a New Mutation which Confers Resistance to the Herbicide Norflurazon".
✓	Martinez-Ferez et al., 1994 Pestic. Biochem. Physiol., 48: 185-190. "Mutagenesis of an Amino Acid Responsible in Phytoene Desaturase from <i>Synechocystis</i> for Binding of the Bleaching Herbicide Norflurazon".
✓	Mifflin, B.J., 1971 Arch Biochem. Biophys., 146: 542-550 "Cooperative Feedback Control of Barley Acetohydroxyacid Synthetase by Leucine, Isoleucine, and Valine".
✓	Milano et al., 1992 J. Gen Microbiol 138: 1399-1408 "Molecular Characterization of the Genes Encoding Acetohydroxy Acid Synthase in the Cyanobacterium <i>Spirulina platensis</i> ".
✓	Porter, R.D., 1988 "[78] DNA Transformation," Methods in Enzymology, 167: 703-712.
✓	Powell, et al., 1990 Br. Phycol. J., 25(1): 93 "Antibody probes to Investigate the Outer Surface of the Gas Vesicle".
✓	Sandmann et al., 1991 Weed Science, 39: 474-479. "Phytoene Desaturase, the Essential Target for Bleaching Herbicides".
✓	Sandmann et al., 1996 Z Naturforsch, 51(7-8): 534-538 "A New Non-Radioactive Assay of Phytoene Desaturase to Evaluate Bleaching Herbicides".
✓	Sandmann & Fraser, 1993 Z Naturforsch, C, 48(3-4): 307-311 "Differential Inhibition of Phytoene Desaturases from Diverse Origins and Analysis of Resistant Cyanobacterial Mutants".
✓	Sandmann et al., 1992 Res. Photosynth. Proc. Int. Congr., 3: 51-54. "Diversity of Phytoene Desaturating Enzymes and Corresponding Genes Involved in Carotenoid Biosynthesis of Photoautotrophic Prokaryotes".
	Sandmann et al., 1992 Pestic. Biochem. Physiol., 42(1): 1-6 (1992) "Quantitative Structure-Activity Relationship of Fluridone Derivatives with Phytoene Desaturase".
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	Singh et al., 1988 Anal. Biochem., 171:173-179. (1988) "Assay of Acetohydroxyacid Synthase".
	Singh et al., 1988 J. Chromatography, 444: 251-261 "Separation and Characterization of Two Forms of Aceto-Hydroxy Acid Synthase from Black Mexican Sweet Corn Cells".
	Weinstock et al., 1992 J. Bacteriology., 174: 5560-5566 "Properties of Subcloned Subunits of Bacterial Acetohydroxy Acid Synthases".
	Williams, 1988, Methods in Enzymology, 167: 766-778 "[85] Construction of Specific Mutations in Photosystem II Photosynthetic Reaction Center by Genetic Engineering Methods in <i>Synechocystis</i> 6803".
	Windhövel et al., 1994 Pestic. Biochem. Physiology, 49(1): 63-71 "Engineering Cyanobacterial Models Resistant to Bleaching Herbicides".
	Windhövel et al., 1997 Pestic. Biochem. Physiol., 57(1): 68-78 "Genetic Engineering of Resistance to Bleaching Herbicides Affecting Phytoene Desaturase and Lycopene Cyclase in Cyanobacterial Carotenogenesis".
✓	Windhövel et al., 1994 Plant Physiology, 104(1): 119-125 "Expression of <i>Erwinia uredovora</i> Phytoene Desaturase in <i>Synechococcus</i> PCC7942 Leading to Resistance against a Bleaching Herbicide".

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